SPECIAL OBJECTIVES FOR COMPUTER AND INFORMATION TECHNOLOGY FOR THE FIRST GRADE

- **A**t the end of the first semester the student should be able to:
- **%** The computer recognizes
- Lists modern computer types
- Concludes the basic elements of the computer system
- Distinguish between Data,
- Differentiates between hardware
- **%** Lists the main memory types
- Demonstrates the function of the CPU
- Distinguish between different types of software
- Metering units recognize storage capacity
- Recognizes operating systems
- Lists the operating system tasks
- **Differentiates between modern computer operating systems**
- **The similarities between the graphical interface elements of operating systems are mentioned**
- 🟃 Recognizes the concept of the file / folder
- Recognizes file types
- **Some operations are performed on the file (creates saves copies truncates)**
- Some operations are performed on the folder (creates saves copies truncates)
- Demonstrates computer networks
- Identify the types of computer networks
- Determines the importance of computer networks
- **3** Share his colleagues in the files
- Recognizes the GIMP image generation and processing program
- **5.** The plugin is used to identify the components of the GIMP interface
- Some selection tools are practiced in the GIMP image creation and processing program
- **1** It designs simple graphics in the GIMP image creation and processing program



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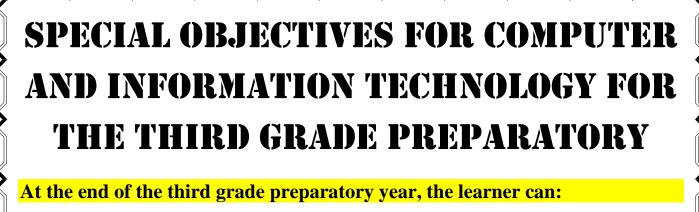
- **A** At the end of the first semester the student should be able to:
- **Save the image file and all information about it using the Save command in GIMP**
- 3 Draws a free format in the GIMP image creation and processing program
- Draws gradient in the GIMP image creation and processing program
- Copy part of the image on the same layer in the GIMP image creation and processing program
- Fixes the color defects of the image in the GIMP image creation and processing program
- The image is manipulated in the GIMP image creation and processing program
- **%** Cuts the image into the GIMP image creation and processing program
- **Rotates the image in the GIMP image creation and processing program**
- Makes a reflection of the image in the GIMP image creation and processing program
- 3 Change the image area in the GIMP image creation and processing program
- **The concept of image layers is recognized in the GIMP image creation and processing program**
- Image layers are used to create an image in the GIMP image creation and processing program
- Processes an image using image layers in GIMP
- 1 Insert text above the image in the GIMP image creation and processing program
- The image file is exported with a suitable extension in the GIMP image generation and processing program
- **h** The Filters concept recognizes the GIMP image generation and processing program
- Recognizes the use of some filters in GIMP
- **%** Change the appearance of the image using a filter in the GIMP image creation and processing program
- Distinguish between Raster Image, Vector Image, and GIMP
- Recognizes the color mode of the Image Mode image in GIMP
- An image is treated with a color adjustment in the GIMP
- The image file is exported with a suitable extension in the GIMP image generation and processing program
- **A** painting is designed using GIMP



SPECIAL OBJECTIVES FOR COMPUTER AND INFORMATION TECHNOLOGY FOR THE SECOND GRADE

- **A** At the end of the first semester the student should be able to:
- 1 Understand the concept (website / webpage / home page)
- Web site components
- Shows web page elements (text / image / video / hyperlink)
- 1 Identifies the types of different web pages (static webpage / interactive web page)
- **11** Illustrates the design and creation phases of the website
- **The Audacity Audio Creation and Processing program recognizes**
- Prepares / prepares (data / hardware and software components) for sound creation
- Audacity is used to create and process audio
- Processes the audio segments (add effect / delete) using the Audacity program
- Recognizes audio file extension types in the Audacity audio creation and processing program
- Recognizes some video processing software
- Import files (images / audio) for the program to create and process OpenShot video files
- Creates video clips within OpenShot
- Modifies the video footage using the OpenShot video file creation and processing program
- Saves video project files using the OpenShot video file creation and processing program
- Adds (effects / transition phases / text) to video viewer using OpenShot software
- The video is exported to a file with a suitable extension using OpenShot
- **Recognizes some tools for producing information pages and Internet services**
- 3 The basic rules for creating a Web page are recognized by using HTML commands
- **The syntax for creating a webpage is recognized by HTML commands**
- Adds content to a web page (text / image / video / hyperlinks) using HTML
- Web page content is formatted using HTML
- Inserts a hyperlink within the web page / between the pages of the site using HTML
- Designing a website called "My School Site"





- (1) Define the problem (Problem Definition).
- (2) Identify Problem Solving Stages.
- (3) Write problem solving steps (Algorithm).
- (4) Draws flow charts that reflect the steps of the solution.
- (5) Explain the meaning of the programming language
- (6) Identify what Visual Basic.NET is.
- (7) Recognizes the most important screen components (IDE)
- (8) Lists what the .Net Framework provides
- (9) Identifies the Properties window.
- (10) Selects the appropriate property.
- (11) Select the appropriate value for Property.
- (12) distinguishes between the properties that characterize each instrument
- (13) Dealing with the Code Window. (14) Specifies the meaning of the Event Handler.
- (15) Controls the properties of the controls programmatically.
- (16) lists the different types of data (17). Select the appropriate data type.
- (18) Announces Variables (19) Announces Constants.
- (20) assigns values to variables (Variables)
- (21) Establishes priorities for the implementation of calculations.
- (22) Identifies conditional clause usage
- (23) uses the If ... Then (24) statement uses the If ... Then ... Else clause.

